

# इंटरनेट

# मानक

## Disclosure to Promote the Right To Information

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5000-OD27 (1978): Dimensions of Semiconductor Devices,  
Device Outline OD27 [LITD 5: Semiconductor and Other  
Electronic Components and Devices]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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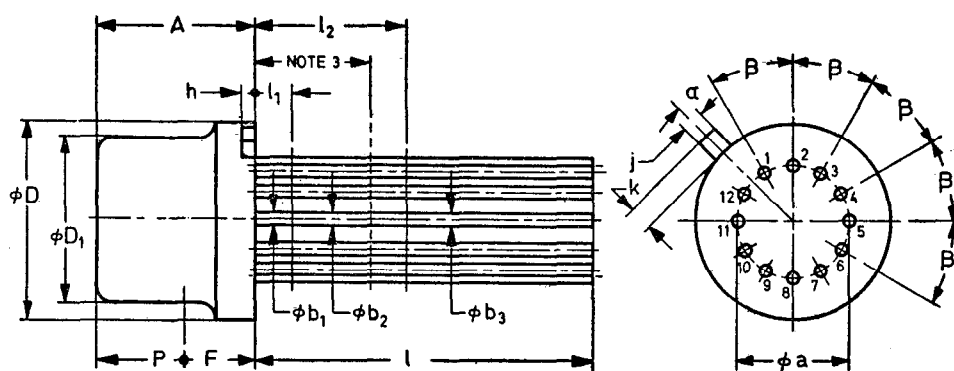


Indian Standard

# DIMENSIONS OF SEMICONDUCTOR DEVICES DEVICE OUTLINE OD 27

## 1. Dimensions

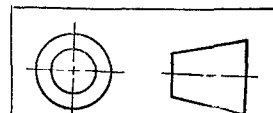
**Note** — This drawing has been prepared in accordance with IS : 5001 (Part I) - 1969 'Guide for the preparation of drawings of semiconductor devices and integrated circuits: Part I Semiconductor devices' and IS : 5001 (Part II) - 1973 'Guide for the preparation of drawings of semiconductor devices and integrated circuits: Part II Integrated circuits'.



Reference	Millimetres			Degrees, Nom	Notes
	Min	Nom	Max		
A	6.10	—	6.60	—	—
a	—	5.84*	—	—	1
b <sub>1</sub>	—	—	0.76	—	—
b <sub>2</sub>	0.407	—	0.508	—	—
b <sub>3</sub>	—	—	0.53	—	—
D	8.64	—	9.39	—	—
D <sub>1</sub>	8.01	—	8.50	—	—
F	2.54	—	—	—	—
h	0.15	—	1.00	—	—
j	0.712	0.787	0.863	—	—
k	0.74	—	1.14	—	2

\*Means true geometrical position.

(Continued)



Adopted 8 December 1978

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Reference	Millimetres			Degrees Nom	Notes
	Min	Nom	Max		
$l_1$	—	—	1·27	—	—
$l_2$	6·35	—	—	—	—
$l$	12·7	—	—	—	—
$p$	2·54	—	—	—	—
$\alpha$	—	—	—	$15 \pm 3$	—
$\beta$	—	—	—	30*	1

\*Means true geometrical position.

**Note 1** — The cross-section of each terminal at a distance of 1·37 mm from the seating plane lies in a circle having a diameter of 0·99 mm centred at the true geometrical position defining the terminal axis at its point of exit.

**Note 2** — Measured from the actual diameter  $D$  of the device.

**Note 3** — The minimum axial length from the seating plane beyond which the terminals may be bent at right angles is 3·8 mm.

**Note 4** — One or more terminals may be omitted but the terminal position retains its number.

**2. Rules for Coding** — See 8.1 of IS : 5001 ( Part I )-1969.

**3. Equivalent Designation Code Followed by the Other Countries and Organizations**

Country or Organization	Designation Code
India	OD27
IEC	—
United Kingdom	SB 12-1
France	TO-73/F78 F79
Germany	5C12
USA	TO-73
Netherlands	NT-14/12
South Africa	TO-73